

BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No.BBMP/EE/DD/Pack/Ten/04/2015-16, Date: 30.01.2016

Indent No.20757

SCHEDULE-B

NAME OF WORK: Improvements and Asphalting of ward roads & Connecting Roads in Ward No. 14 & 15 of T.Dasarahalli Sub Division Dasarahalli Zone.

Package No.DZ 2015-16-(02)

Sl. No	Description of work	Unit	Qty	(Approved Tender Rates) Rate Quoted by Contractor MURALISWAMY	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T& P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specifications. Prestressed for Reinforced Cement Concrete Grade M-20 and Above i) Lime/Cement Concrete. I. By Manual Means; A. Lime Concrete, cement concrete grade M-10 and below. MORTH Specification No. 202 complete as per specification & as per direction of Engineer-in-charge	Cum	86.4	939	Rupees Nine Hundred Thirty Nine Only
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceabl material and stacking the serviceable material with all lifts complete as per specifications. :B. Cement Concrete Grade M-15 & M-20. complete as per specification & as per direction of Engineer-in-charge	Cum	36.96	415.0	Rupees Four Hundred Fifteen Only
3	Removing B.S.Slabsand stacking etc complete. complete as per specification & as per direction of Engineer-in-charge	Sqm	9445	57.0	Rupees Fifty Seven Only
4	Earthwork excavation by manual means in ordinary soil involving an averae horizontal throw upto 2 meters and an averae lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breakin of clods complete as per specifications. MORTH / Chapter 3- For Desilting of Drain complete as per specification & as per direction of Engineer-in-charge	Cum	5850.95	161.0	Rupees One Hundred Sixty One Only
5	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specification & as per direction of Engineer-in-charge	Cum	336.77	4718.0	Rupees Four Thousand Seven Hundred Eighteen Only


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1	2	3	4	5	6
6	Refixing stone slabs of drains and pointing in C.M (1:3).complete as per specification & as per direction of Engineer-in-charge	Sqm	7699	71.0	Rupees Seventy One Only
7	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per directions of the Engineer-in-charge {Data Rate sheet enclosed}.(Missing and damaged complete as per specification & as per direction of Engineer-in-charge	Sqm	3230.9	1640.0	Rupees One Thousand Six Hundred Forty Only
8	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)complete as per specification & as per direction of Engineer-in-charge	Sqm	7.5	4584.0	Rupees Four Thousand Five Hundred Eighty Four Only
9	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick complete as per specification & as per direction of Engineer-in-charge	Sqm	3252	597.0	Rupees Five Hundred Ninety Seven Only
10	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. complete as per specification & as per direction of Engineer-in-charge	Cum	31.5	3720.0	Rupees Three Thousand Seven Hundred Twenty Only
11	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. complete as per specification & as per direction of Engineer-in-charge	Sqm	2760	866.0	Rupees Eight Hundred Sixty Six Only
12	Providing and laying in position plain cement concrete cum of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggretes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and ciils, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per specification & as per direction of Engineer-in-charge	Cum	252.23	4946.0	Rupees Four Thousand Nine Hundred Forty Six Only
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications,complete as per specification & as per direction of Engineer-in-charge	Sqm	2611.2	276.0	Rupees Two Hundred Seventy Six Only


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14	Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 complete as per specification & as per direction of Engineer-in-charge	Tonne	63.73	62890.0	Rupees Sixty Two Thousand Eight Hundred Ninety Only
15	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulumn and footing, main ans secondary beams. complete as per specification & as per direction of Engineer-in-charge	Cum	288.85	5705.0	Rupees Five Thousand Seven Hundred Five Only
16	Cement Concrete Pavement :- Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3lts conforming to IS 9103-1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS: 383) mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver,spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane,sealant primer, joint sealant, debonding strip, dowel bar, tie rod, ,admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications MORTH Specification No. 602- with M30 @ 360 Kg/cum Cement, C.A, 0.69 cum F.A. 0.46 cum. complete as per specification & as per direction of Engineer-in-charge	Cum	1810.42	6250.0	Rupees Six Thousand Two Hundred Fifty Only
17	Construction of partition wall 11.2 cms thick with non-modular ground moulded burnt bricks of class designation 3.5 Newton per sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. complete as per specification & as per direction of Engineer-in-charge	Sqm	50	742.0	Rupees Seven Hundred Forty Two Only
18	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials labour,curing complete as per specifications.	Sqm	110	163.0	Rupees One Hundred Sixty Three Only
19	Scarifying bituminous course 50mm to 75mm thick along with premix carpet /surface dressing by road roller attached with scarifier without disturbing the base and stavkung the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3 complete as per specification & as per direction of Engineer-in-charge	Sqm	17459	24.0	Rupees Twenty Four Only


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20	Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murum, watering charges & compaction by vibratory roller to 95% of proctors density.MORTH complete as per specification & as per direction of Engineer-in-charge	Cum	1383.75	280.0	Rupees Two Hundred Eighty Only
21	Earth work in soil with hydraulic excavator of 0.9 cu.m. bucket capacity including cutting and loading in tippers, trimming bottom and side slopes. In accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. complete as per specification & as per direction of Engineer-in-charge	Cum	435.88	130.0	Rupees One Hundred Thirty Only
22	Construction of granular sub-base of Grading II Material by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method complete as per specification & as per direction of Engineer-in-charge	cum	363	1460.0	Rupees One Thousand Four Hundred Sixty Only
23	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. complete as per specification & as per direction of Engineer-in-charge	Sqm	12069.5	4.0	Rupees Four Only
24	Providing, laying, spreading and compacting graded stone aggregate to wet mix mecadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specification & as per direction of Engineer-in-charge	Cum	3318.25	1544.0	Rupees One Thousand Five Hundred Forty Four Only
25	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means . complete as per specification & as per direction of Engineer-in-charge	Sqm	18949	29.0	Rupees Twenty Nine Only
26	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specification & as per direction of Engineer-in-charge	Sqm	13028.2	2.0	Rupees Two Only


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1	2	3	4	5	6
27	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specification & as per direction of Engineer-in-charge	Sqm	33475.2	13.0	Rupees Thirteen Only
28	Providing and laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specification & as per direction of Engineer-in-charge	Cum	22.75	7200.0	Rupees Seven Thousand Two Hundred Only
29	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work complete as per specification & as per direction of Engineer-in-charge	Cum	156.15	5600.0	Rupees Five Thousand Six Hundred Only
30	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specification & as per direction of Engineer-in-charge	Cum	1251.89	8900.0	Rupees Eight Thousand Nine Hundred Only
31	Providing and fixing Precast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. Of size 450 x 150 x 400 mm. complete as per specification & as per direction of Engineer-in-charge	No	1044.44	289.0	Rupees Two Hundred Eighty Nine Only

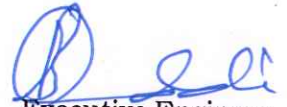

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3	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, labour complete as per specification & as per direction of Engineer-in-charge	Sqm	211.5	55.0	Rupees Fifty Five Only
33	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specification & as per direction of Engineer-in-charge	Sqm	1651.7	426.0	Rupees Four Hundred Twenty Six Only



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